Abstract

Broadband driver

Broadband driver for signals that are transmitted in different frequency ranges, comprising:

(a)   a first broadband driver circuit (19) for driving first signals having signal frequencies that lie in a firstfrequency range;

(b)   a second broadband driver circuit (24) for driving second signals having signal frequencies that lie in a second frequency range;

(c)   where at least one of the two broadband driver circuits (19) has a frequency-dependent positive-feedback circuit (44) for impedance synthesis of a frequency-dependent output impedance (Z_{out}) of the broadband driver circuit (19), and where the output impedance (Z_{out}) has a different value in the first frequency range than in the second frequency range.